

November 9, 2016

Dear Karen E. Mouritsen,

I am Alexandra Lombard, a senior undergraduate student at The Ohio State University studying zoology. I have lived in Ohio my entire life and I intend to spend my life working to keep our environment safe and suitable for the species that are native to it, as well as diminish the damage that humans have caused to native wildlife. I am passionate about conservation and sustainability. Investing in greener, renewable energy sources is something that I as an individual fully support. I have reviewed the internet-based onshore oil and competitive gas lease sale for parcels of land in Wayne National Forest and am formally protesting the sale put forth by the Federal government. My objections refer to the 33 parcels of land attached to this letter that are found within Ohio's Wayne National Forest, and I object for the reasons outlined in the remainder of this letter.

Oil and gas drilling have countless negative environmental effects. First and foremost, humans living near drilling sites may experience negative health problems. In a study done by Michelle Bamberger and Robert E. Oswald, published in 2012, interviewed animal owners living near such sites in six states reported experiencing dermatological, upper respiratory, neurological, and gastrointestinal effects, among others. Though not densely populated, there are still many townships near the parcels of land for sale. Oil and gas sources should not be unnecessarily drilled into at the expense of these Ohio residents. Contaminated water is an extreme concern that has not historically been well avoided.

Secondly, and closest to my heart, is the negative impact this will have on wildlife. Despite the stipulations imposed for the sale, it is unlikely these will be prevented. Ohio's southeastern forest has boasted a return of the bobcat and black bear, which is an endangered species in Ohio, in recent years. It is home to the Federally endangered American Burying Beetle where attempts are being made to increase the species' population. Gas and oil drilling disrupts these habitats, and altering even a single, seemingly worthless insect species can impact the entire ecosystem. Noise and air pollution are two forms of disruption that will contribute to the problem. Should water be contaminated, then everything from fish to osprey to livestock will experience harmful effects. It is possible for this to even alter migration routes.

Finally, these sources of energy are not renewable. Once they're gone, they're gone. Investments in such energy sources should not be encouraged when the money could be going to more sustainable energy practices.

I hope that you will not take these considerations lightly, and look into the research of the negative impacts that such a sale will have on the people, animals, and environment in and around these areas within Wayne National Forest. This land should not be leased by the Bureau of Land Management for the use of oil and gas drilling. I care deeply about my state and intend to work to keep our few expanses of forest as close to their natural state as possible.

Thank you for your time and consideration of my request,



Alexandra Lombard

Study referenced: Bamberger, M., Oswald, R. E. 2012. Impacts of Gas Drilling on Human and Animal Health. *New Solutions* Vol. 22(1) pp: 51-57.



# **LIST OF PARCELS FOR SALE IN WAYNE NATIONAL FOREST**

11/5/2016

**Total # of Parcels: 28**

**Total Acreage: 1,622.11 acres**

**ES-003-12/2016 OHES 058185 ACQ**

Lee Township, Monroe County

Section 8, SENW, S2SWNE.

**60 acres**

**ES-004-12/2015 OHES 058186 ACQ**

Jackson Township, Monroe County

Section 14, NESE, Pt. SESE

**47.00 acres**

**ES-005-12/2016 OHES 058187 ACQ**

Jackson Township, Monroe County

Section 19, W2SE

**79.15 acres**

**ES-006-12/2016 OHES 058188 ACQ**

Jackson Township, Monroe County

Section 20, S3/4 NESW

**30.03 acres**

**ES-007-12/2016 OHES 058189 ACQ**

Jackson Township, Monroe County

Section 25

**94.72 acres**

**ES-008-12/2016 OHES 058190 ACQ**

Jackson Township, Monroe County

Section 26, NESW, Pt. NWSW

**78.25 acres**

**ES-009-12/2016 OHES 058191 ACQ**

Jackson Township, Monroe County

Section 27, SENW

**40.00 acres**

**ES-010-12/2016 OHES 058192 ACQ**

Jackson Township, Monroe County

Section 31, NESE  
**38.96 acres**

**ES-011-12/2016 OHES 058193 ACQ**  
Jackson Township, Monroe County  
Sec. 31, SESE  
**38.96 acres**

**ES-012-12/2016 OHES 058194 ACQ**  
Jackson Township, Monroe County  
Sec. 32, Pt. W2SW  
**64.30 acres**

**ES-013-12/2016 OHES 058195 ACQ**  
Perry Township, Monroe County  
Sec. 33, NESW  
**40.13 acres**

**ES-014-12/2016 OHES 058196 ACQ**  
Perry Township, Monroe County  
Sec. 34, Pt. SENE  
**15.12 acres**

**ES-015-12/2016 OHES 058197 ACQ**  
Perry Township, Monroe County  
Sec. 34, Pt. NENW  
**30.23 acres**

**ES-016-12/2016 OHES 058198 ACQ**  
Perry Township, Monroe County  
Sec. 34, Pt. NWNW  
**22.14 acres**

**ES-017-12/2016 OHES 058199 ACQ**  
Perry Township, Monroe County  
Sec. 35, Pt. SENSWSWE  
**30.64 acres**

**ES-018-12/2016 OHES 058200 ACQ**  
Perry Township, Monroe County  
Sec. 35, Pt. W2SWSW  
**0.86 acres**

**ES-019-12/2016 OHES 058201 ACQ**  
Jackson Township, Monroe County

Sec. 19, Pt. SW, Pt. NW  
**73.25 acres**

**ES-020-12/2016 OHES 058202 ACQ**  
Jackson Township, Monroe County  
Sec. 15, Pt. SWNE  
**2.53 acres**

**ES-021-12/2016 OHES 058203 ACQ**  
Jackson Township, Monroe County  
Sec. 20, NENE  
**40.08 acres**

**ES-022-12/2016 OHES 058204 ACQ**  
Jackson Township, Monroe County  
Sec. 20, NENW  
**40.00 acres**

**ES-023-12/2016 OHES 058205 ACQ**  
Jackson Township, Monroe County  
Sec. 20, NWNE  
**40.00 acres**

**ES-024-12/2016 OHES 058206 ACQ**  
Jackson Township, Monroe County  
Sec. 21, S2SE, E2SW  
**157.44 acres**

**ES-025-12/2016 OHES 058207 ACQ**  
Perry Township, Monroe County  
Sec. 34, NESESE  
**10.16 acres**

**ES-026-12/2016 OHES 058208 ACQ**  
Jackson Township, Monroe County  
Sec. 30, SESE  
**39.98 acres**

**ES-027-12/2016 OHES 058209 ACQ**  
Jackson Township, Monroe County  
Sec. 30, Pt. N2SE  
**64.72 acres**

**ES-028-12/2016 OHES 058210 ACQ**  
Jackson Township, Monroe County

Sec. 36, SESW, Pt. W2SW  
**39.65 acres**

**ES-029-12/2016 OHES 058211 ACQ**  
Jackson Township, Monroe County  
Sec. 36, NENE  
**40.22 acres**

**ES-030-12/2016 OHES 058212 ACQ**  
Perry Township, Monroe County  
Sec. 3, Pt. N2SE  
**28.00 acres**

**ES-031-12/2016 OHES 058213 ACQ**  
Perry Township, Monroe County  
Sec. 6, Pt. NE  
**56.00 acres**

**ES-032-12/2016 OHES 058214 ACQ**  
Green Township, Monroe County  
Sec. 1, SWSW, Sec. 7, N2SE, SESE  
**158.62 acres**

**ES-033-12/2016 OHES 058215 ACQ**  
Washington Township, Monroe County  
Sec. 18 Pt. W2NE, Pt. NW  
**58.14 acres**

**ES-034-12/2016 OHES 058216 ACQ**  
Wayne Township, Monroe County  
Sec. 3, NWNW  
**40.24 acres**

**ES-035-12/2016 OHES 058217 ACQ**  
Liberty Township, Monroe County  
Sec. 29, Pt. S2SESE  
**1.17 acres**

**ES-030-12/2016 OHES 058212 ACQ**  
Perry Township, Monroe County  
Sec. 3, Pt. N2SE  
**28.00 acres**